



EECS 42 – Introduction to Electronics for Computer Science

Fall 2003,
Dept. EECS,
UC Berkeley

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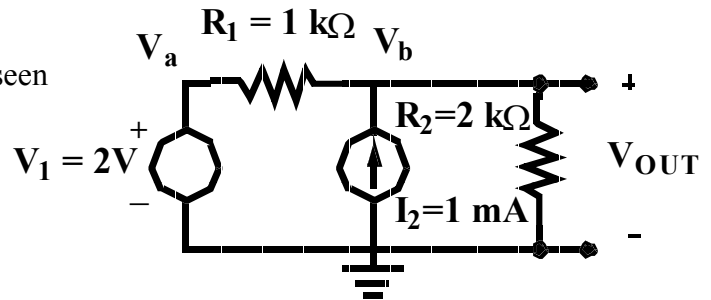
Course Web Site <http://www-inst.EECS.Berkeley.EDU/~ee42/>

Quiz #1 September 25, 2003

Show your work so that the method can be graded for correctness and completeness and all of the points do not depend on just the final numerical value.

I (20 Points) Basic Circuit Analysis

- a) Find the Thevenin resistance seen looking into the output terminals.



- b) Find the output current I_{OUT} when $V_{OUT} = 1V$.

II (20 Points) Transient Analysis

The switch in the circuit to the right is opened at $t = 0$. Find an equation that describes $V_C(t)$.

